

# Work Order ID 79507

**\*79507\***

Page 1

Thursday, January 26, 2012 2:43:13 PM

Item ID: D3619-2

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Item Name: Grommet

Stop **\*NS2\***

Start Date: 1/26/2012 Start Qty: 10.00

**\*10\***

Cust Item ID:

Required Date: 1/27/2012 Req'd Qty: 10.00

**\*10\***

Customer:

Reference:

Approvals: Process Plan: *MF*

Date: *12-01-26* Tooling:

Date:

Run Start **\*NR1\***

QC:

Date: SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3619	Rev A

100		0.00
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**\*100\***

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: *16009* Purchase Part Number: 9610K18 Supplier: MC  
MASTER CARRCertificate of conformity is required

*CL 12/01/27 10*

110

Receive & Inspect for Damage & Mat'l Certs 0.00

**\*110\***

Packaging

Memo

0.00

Packaging

Ensure material certification is attached

*12/4/30 (10)*

120

QC6- Inspect dimensions to drawing 0.00

**\*120\***

QC

Memo

0.00

Quality Control

*12/6/130*

*(40)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 79507****\*79507\***

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Thursday, January 26, 2012 2:43:13 PM

Item ID: D3619-2

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Item Name: Grommet

Stop **\*NS2\***

Start Date: 1/26/2012 Start Qty: 10.00

**\*10\***

Cust Item ID:

Required Date: 1/27/2012 Req'd Qty: 10.00

**\*10\***

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

**\*130\***

Packaging

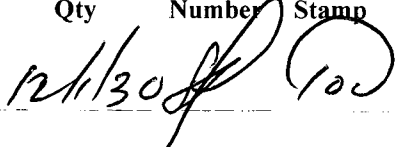
Packaging

0.00

Memo

0.00

Packaging

\*\*\*\*Remove supplier paperwork from box.\*\*\*\*\* Identify and  
StockLocation: 5612/1/30 

140

**\*140\***

QC

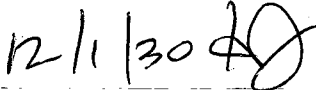

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

12/1/30 pl 12-01-30  


# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Thursday, January 26, 2012 2:43:13 PM

Page 1

Work Order ID: 79507

Parent Item: D3619-2

Parent Item Name: Grommet

Start Date: 1/26/2012

Required Date: 1/27/2012

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP Rev:A New Issue 07-04-09 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
9610K18 GROMMET		Purchased	No			110	Each	0.0000	1	10		01/26/12	(10)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

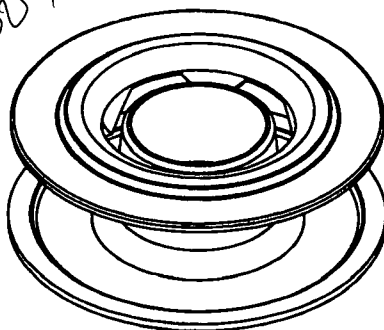
**NOTE:** Date & initial all entries



DESIGN <i>LE</i>	DRAWN BY <i>LE</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. <b>D3619</b>	REV. A SHEET 1 OF 1
DATE <b>07.03.26</b>		TITLE <b>GROMMET</b> SCALE NTS	
REV A	DATE 07.03.26	DESCRIPTION NEW ISSUE	

## SPECIFICATION CONTROL DRAWING

# 79507



**RELEASED**  
07 04 02 #

**D3619-X GROMMET,**  
**WHERE X REPRESENTS THE GROMMET TRADE SIZE**

DART P/N	TRADE SIZE	DESCRIPTION	HOLE SIZE	MAX. MTL THICKNESS	MCMASTER CARR P/N
D3619-0	0	BRASS GROMMET W/ TEETH	1/4	0.110	9610K16
D3619-1	1	BRASS GROMMET W/ TEETH	9/32	0.120	9610K17
D3619-2	2	BRASS GROMMET W/ TEETH	3/8	0.150	9610K18
D3619-3	3	BRASS GROMMET W/ TEETH	7/16	0.230	9610K19
D3619-4	4	BRASS GROMMET W/ TEETH	1/2	0.300	9610K21

### NOTES:

1) PURCHASE INFO: MCMASTER-CARR P/N'S INCLUDE THE FOLLOWING:

48 GROMMETS FOR SIZE 0 & 1,  
24 GROMMETS FOR SIZE 2, 3 & 4,  
D3619-XT1 HOLE PUNCH,  
D3619-XT2 STRIKER BLOCK,  
D3619-XT3 PUNCH AND  
D3619-XT4 DIE

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO16009

Purchase Order Date 1/27/12

PO Print Date 1/27/12

Page Number 1 of 2

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	330 995 5500	Requisition Nbr	
Vendor Fax	330 995 9600	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	USD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

CL 2/1/12

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	92311A639	SS SET SCREW	1/30/12 Yes	100.00 Each	FedEx PI collect	\$0.6619	\$66.19
		Special Inst:	AS PER DWG D2747 REV. B B79520				
2	9610K18	GROMMET	1/30/12 Yes	10.00 Each	FedEx PI collect	\$13.3100	\$133.10
		Special Inst:	AS PER DWG D3619 REV. A B79507				
3		1728A89 NAIL IN HOOK	1/30/12 Yes	5.00 Each	FedEx PI collect	\$6.0300	\$30.15
Deliver To: CARL							
4		1728A87 NAIL IN HOOK	1/30/12 Yes	5.00 Each	FedEx PI collect	\$6.0300	\$30.15

Deliver To: CARL

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 2

Change Date: 1/27/12



Purchase Order  
PO16009

Page 1 of 2

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
ble.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

McMaster-Carr Number  
8479851-01

01/27/2012

Line	Description	Ordered	Shipped
1	92311A639 Type 18-8 Stainless Steel Cup Point Socket Set Screw, 3/8"-24 Thread, 1" Length, Packs of 10	10 Packs	10
	Unit Price: \$5.91		
	Extended Price: \$59.10		
2	9610K18 Military Specification Grommet Kit, with Teeth Washer, Trade Size 2, 3/8" ID, 24 Grommets	10 Each	10
	Unit Price: \$13.31		
	Extended Price: \$133.10		
3	1728A89 Vinyl-Coated Steel Hook, Nail-in, Straight A, .148" Wire Diameter, 2-23/64" Projection, Packs of 10	5 Packs	5
	Unit Price: \$6.03		
	Extended Price: \$30.15		
5	62425T51 High-Traffic Recycled Rubber Antifatigue Mat, 24" Width, 3/8" Thick, Black	22 Feet	22
	Unit Price: \$11.14		
	Extended Price: \$245.08		

LNS A91			
2 - 697 - 04	04 - 31	A639	10 PK
1 - 312			
1 - 695			
5 - 38			

Dart Aerospace Ltd

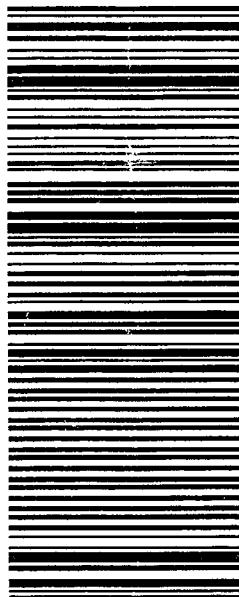
CAN

Purolator  
MCMaster-CARR  
200 AURORA INDUSTRIAL PKWY  
AURORA OH 44202-8087  
Ref: PO16009

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON K6A 1K7  
CANADA

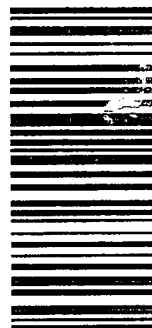
NOTE: 8479851-01 9 007 112

DATE: 27 Jan 2012  
PIECES: 1 of/de 1



PUROLATOR PIN: MFA002475015

41



99 lbs  
6 lines

FW1WBP25  
01/27/2012  
12:43/13:07  
112  
Cycle 40

EXP

